The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A method for installing a refrigeration device ~~that comprises~~ comprising:

~~a heat source unit (2 - 802, 1002, 1102, 1502 - 1802, 2002, 2102, 2502 - 2802, 3002, 3102) having a compressor (21) and a heat-source-side heat exchanger (23);~~

~~a utilization unit (5, 3005) having a utilization-side heat exchanger 51; and~~

~~a refrigerant connection pipe (6, 3006, 7, 3007) for connecting said heat source unit and said utilization unit, comprising;~~

~~a refrigerant circuit formation step for~~

forming a refrigerant circuit ~~(10, 3010, 3110)~~ by connecting a ~~said~~ heat source unit having a compressor and a heat-source-side heat exchanger to a ~~and said~~ utilization unit having a utilization-side heat exchanger via a ~~said~~ refrigerant connection pipe; and

performing a non-condensable gas discharge operation ~~step for~~ comprising

operating said compressor,

recirculating ~~the~~ refrigerant ~~in~~ through said refrigerant circuit,

cooling and separating at least a portion of the refrigerant that flows between said heat-source-side heat exchanger and said utilization-side heat exchanger into a liquid refrigerant and a gas refrigerant that includes ~~the~~ a non-condensable gas remaining in said refrigerant connection pipe,

separating said non-condensable gas using a separation membrane ~~(34b, 1034b, 2063b, 2064b)~~ from said gas refrigerant obtained by gas-liquid separation, and

discharging said ~~the~~ non-condensable gas ~~to the~~ outside of said refrigerant circuit.

2. (Currently Amended) The method ~~for installing a refrigeration device~~ as recited in ~~Claim 1~~ claim 1, wherein

~~in~~ said non-condensable gas discharge operation is performed such that ~~step,~~ the refrigerant that flows between said heat-source-side heat exchanger ~~(23)~~ and said utilization-side heat exchanger ~~(51)~~ is separated into said ~~a~~ liquid refrigerant and said ~~a~~ gas refrigerant that includes said non-condensable gas, after which said gas refrigerant obtained by said gas-liquid separation is cooled.

3. (Currently Amended) The method ~~for installing a refrigeration device~~ as recited in ~~Claim 1 or Claim 2~~ claim 1, further comprising [[:]]

~~an airtightness~~ testing ~~step~~ for ~~testing the~~ airtightness of said refrigerant connection pipe ~~(6, 3006, 7, 3007)~~ prior to performing said non-condensable gas discharge operation ~~step~~; and

~~an seal gas releasing step for~~ releasing seal gas into ~~the~~ atmosphere ~~the seal gas~~ to reduce ~~the~~ pressure ~~thereof~~ inside said refrigerant connection pipe after performing said airtightness testing step.

4. (Currently Amended) A refrigeration device ~~(1 – 801, 1001, 1101, 1501 – 1801, 2001, 2101, 2501 – 2801, 3001, 3101)~~ comprising

~~a refrigerant circuit (10, 3010, 3110) in which~~

a utilization unit ~~(5, 3005)~~ having a utilization-side heat exchanger; ~~(51), and~~

a heat source unit ~~(2 – 802, 1002, 1102, 1502 – 1802, 2002, 2102, 2502 – 2802, 3002, 3102)~~ having a compressor ~~(21)~~ and a heat-source-side heat exchanger ~~(23) are~~ connected via a refrigerant connection pipe to form a refrigerant circuit; ~~(6, 3006, 7, 3007), said refrigeration device further comprising:~~

a cooler ~~(32, 332, 832) that is~~ connected to a liquid-side refrigerant circuit ~~(11, 3011, 3111) for~~ of said refrigerant circuit that connects ~~connecting~~ said heat-source-side heat exchanger to said utilization-side heat exchanger, and said cooler being configured to cool ~~that cools~~ at least a portion of ~~the~~ refrigerant that flows between said heat-source-side heat exchanger and said utilization-side heat exchanger when ~~as~~ said compressor is operated and the refrigerant is recirculated in said refrigerant circuit;

a gas-liquid separator configured to separate ~~(33) for separating~~ the refrigerant cooled by said cooler, into a liquid refrigerant and a gas refrigerant that includes a ~~the~~ non-condensable gas remaining in said refrigerant connection pipe; and

a separation membrane device ~~(34, 1034, 2034, 2134)~~ having a separation membrane configured to separate ~~(34b, 1034b, 2063b, 2064b) for separating~~ said non-condensable gas from the gas refrigerant obtained by gas-liquid separation using said gas-liquid separator, and configured to discharge said non-condensable gas separated by said separation membrane ~~for discharging to the~~ outside of the refrigerant circuit ~~said non-condensable gas separated by said separation membrane~~.

5. (Currently Amended) The refrigeration device ~~(1 – 701, 1001, 1101, 1501 – 1801, 2001, 2101, 2501 – 2801, 3001, 3101)~~ as recited in ~~Claim 4~~ claim 4, wherein

said liquid-side refrigerant circuit ~~(11, 3011, 3111)~~ further has a receiver ~~(25) capable of collecting~~ configured to collect the refrigerant that flows between said heat-source-side heat exchanger and said utilization-side heat exchanger; and

said cooler ~~(32, 332)~~ is configured to cool ~~cools~~ the gas refrigerant including said non-condensable gas that is separated into gas and liquid inside said receiver.

6. (Currently Amended) The refrigeration device ~~(1 – 801, 1001, 1101, 1501 – 1801, 2001, 2101, 2501 – 2801, 3001, 3101)~~ as recited in ~~Claim 4 or Claim 5~~ claim 4, wherein

said cooler includes ~~(32, 332) is~~ a heat exchanger that uses ~~as a cooling source~~ the refrigerant that flows through said refrigerant circuit as a cooling source.

7. (Currently Amended) The refrigeration device ~~(1 – 201, 401, 501, 701, 1001, 1101, 1501 – 1801, 2001, 2101, 2501 – 2801, 3001, 3101)~~ as recited in ~~any one claim of Claim 4 through Claim 6~~ claim 4, wherein

said cooler includes ~~(32) is~~ a coiled heat transfer tube disposed inside said gas-liquid separator ~~(33)~~.

8. (Currently Amended) The refrigeration device ~~(1—301, 501—801, 1001, 1101, 1501—1801, 2001, 2101, 2501—2801, 3001, 3101)~~ as recited in ~~any one claim of Claim 4 through Claim 7~~ claim 4, wherein

said gas-liquid separator ~~(33)~~ is connected so that the liquid refrigerant that is separated into gas and liquid in said gas-liquid separator is returned to said receiver ~~(25)~~.

9. (Currently Amended) The refrigeration device ~~(701, 801)~~ as recited in ~~Claim 8~~ claim 8, wherein

said gas-liquid separator ~~(33)~~ is integrally formed with said receiver ~~(25)~~.

10. (Currently Amended) The refrigeration device ~~(501, 601, 701)~~ as recited in ~~any one claim of Claim 4 through Claim 9~~ claim 4, wherein

said separation membrane device ~~(34)~~ is integrally formed with said gas-liquid separator ~~(33)~~.

11. (New) The refrigeration device as recited in claim 5, wherein

said cooler includes a heat exchanger that uses the refrigerant that flows through said refrigerant circuit as a cooling source.

12. (New) The refrigeration device as recited in claim 5, wherein

said cooler includes a coiled heat transfer tube disposed inside said gas-liquid separator.

13. (New) The refrigeration device as recited in claim 5, wherein

said gas-liquid separator is connected so that the liquid refrigerant that is separated into gas and liquid in said gas-liquid separator is returned to said receiver.

14. (New) The refrigeration device as recited in claim 13, wherein

said gas-liquid separator is integrally formed with said receiver.

15. (New) The refrigeration device as recited in claim 5, wherein

said separation membrane device is integrally formed with said gas-liquid separator.

16. (New) The refrigeration device as recited in claim 6, wherein

said cooler includes a coiled heat transfer tube disposed inside said gas-liquid separator.

17. (New) The refrigeration device as recited in claim 6, wherein

said gas-liquid separator is connected so that the liquid refrigerant that is separated into gas and liquid in said gas-liquid separator is returned to said receiver.

18. (New) The refrigeration device as recited in claim 17, wherein

said gas-liquid separator is integrally formed with said receiver.

19. (New) The refrigeration device as recited in claim 6, wherein

said separation membrane device is integrally formed with said gas-liquid separator.

20. (New) The method as recited in claim 2, further comprising

testing for airtightness of said refrigerant connection pipe prior to performing said non-condensable gas discharge operation; and

releasing seal gas into atmosphere to reduce pressure inside said refrigerant connection pipe after performing said airtightness testing step.